Scyber Schata

"From bits to information"

Introduction to Splunk

Outline

- Why use Splunk?
- Application of Splunk.

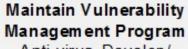


Why? PCI

Build and Maintain and Secure Network Firewall. System passwords. Protect
Cardholder Data
Stored cardholder
data. Encrypt data.

Monitor and Test Networks

Track/monitor accesses. Perform security tests.

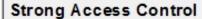


Anti-virus. Develop/ maintain secure systems and apps.



Define/Maintain Security Policy

Design and implement a policy which focuses on security.



Restrict access to cardholder data. Assign unique ID for each user who accesses. Restrict physical access.





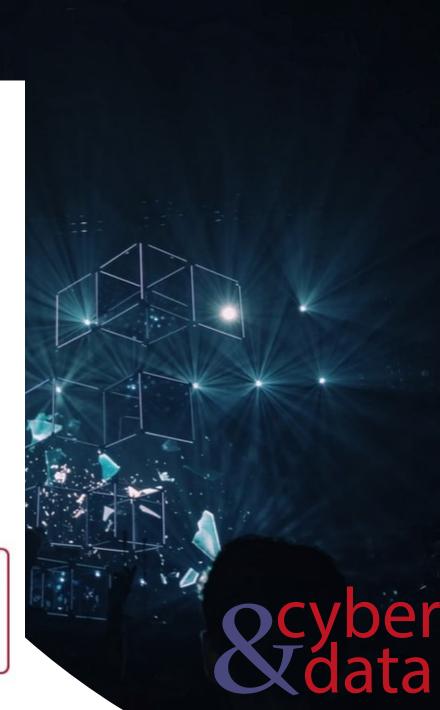












Before, During and After

Before Incident



Intruder

After Incident



Data At Rest

Files, Directories, File Rights, Domain Rights, etc.

File changes, File CRUD (Create, Delete, Update, Delete), Thumbprints

Data In-Motion

Network scanners, Intrusion Detection Systems, Firewall logs, etc

Network packet logs, Web logs, Security logs

Data In-Process

Processes, Threads, Memory, etc.

Security Log, Application Log, Registry, Domain Rights.



Logs

Local host logs

- Application.
- Security.
- System
- etc

File and Directories

- CRUD.
- Security changes.

Performance

- CPU.
- Memory.
- Threads.

Database Access

- Logs.

TCP/UDP

- Syslog.

Environmental

- Temp.
- Humidity.

Remote Access

- Logs.

Registry Monitoring

- Key changes.
- Updates.

Active Directory

- User additions.
- Host changes.
- Logins

Intrusion Detection

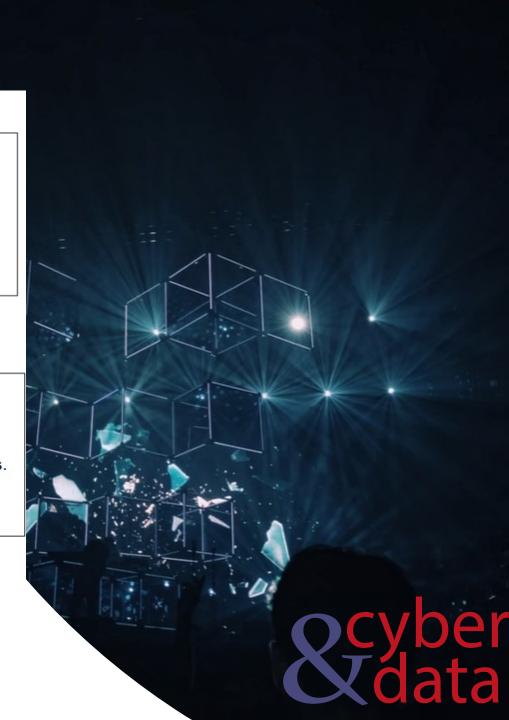
- Alerts

Email

- Logs.

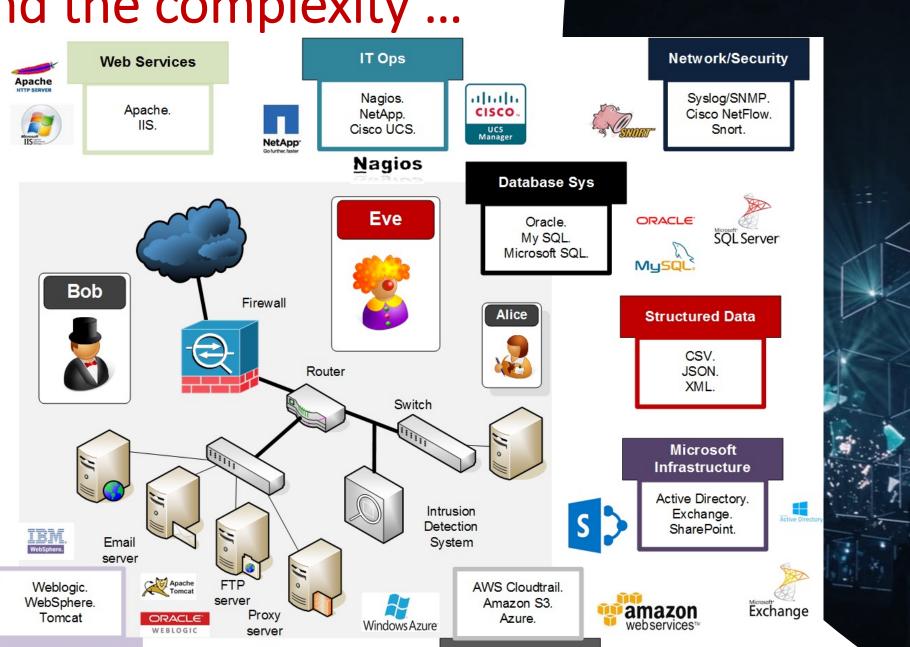
Print Monitoring

- Jobs.



And the complexity ...

Application Serv



Cloud

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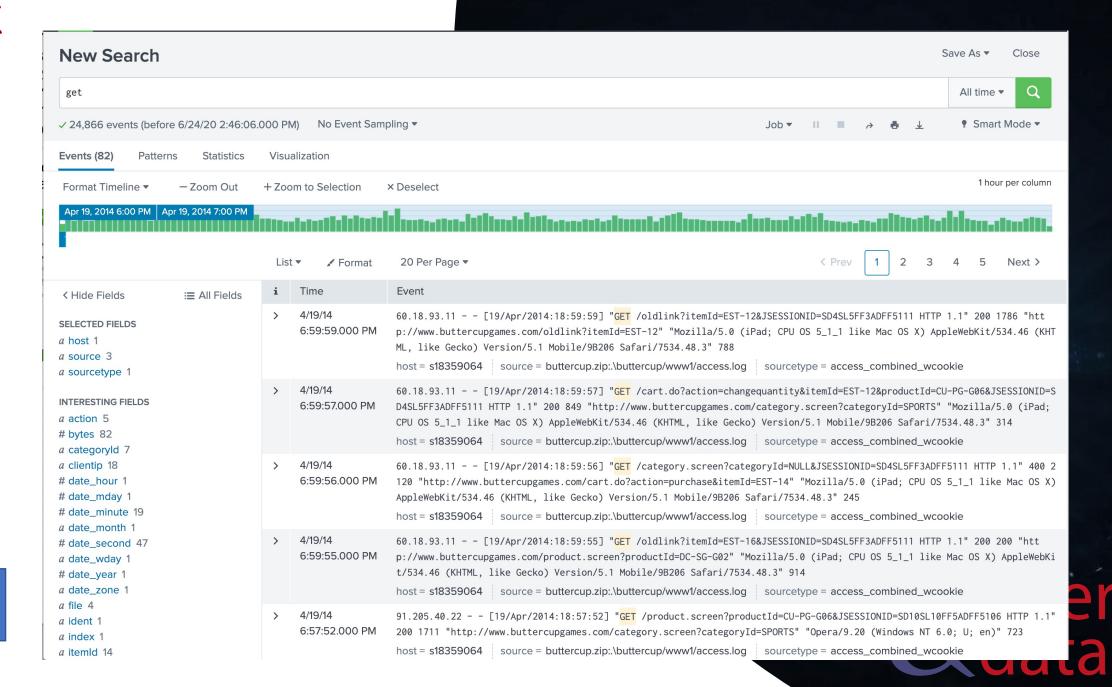
Buttercup Games

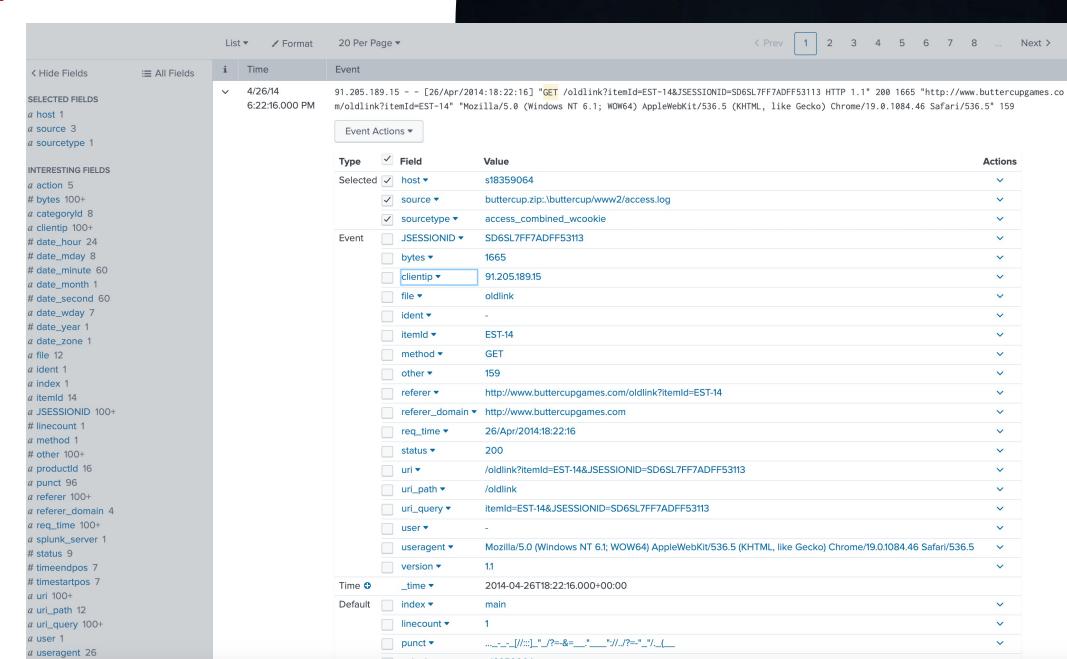


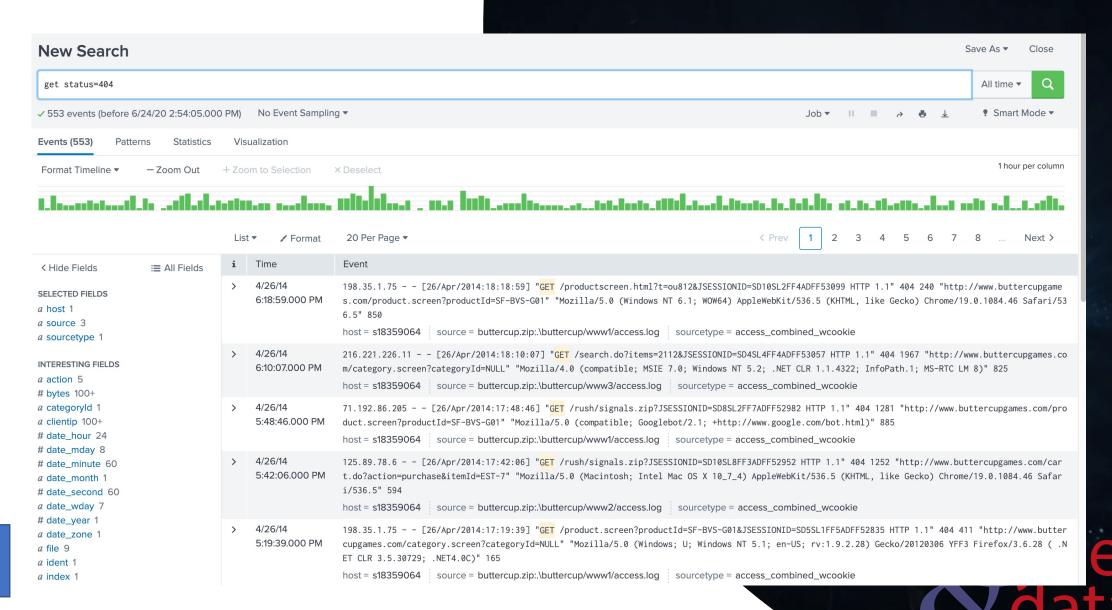


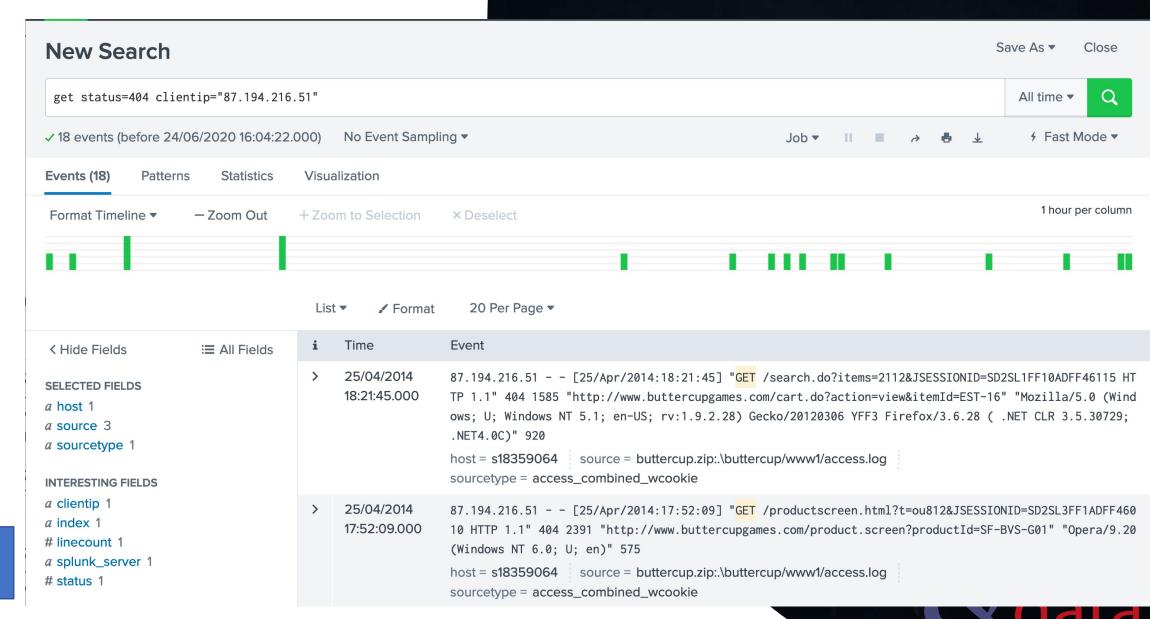
- SHOOTER: WC-SH-G04
- STRATEGY: DB-SG-G01, DC-SG-G02, FS-SG-G03 and PZ-SG-G05
- TEE: MB-AG-T01 and WC-SH-T02.
- ARCADE: MB-AG-G07, FI-AG-G08, and BS-AG-G09.
- SPORTS: CU-PG-G06.
- SIMULATION: SC-MG-G10.
- ACCESSORIES: WC-SH-A01 and AC-SH-A02.

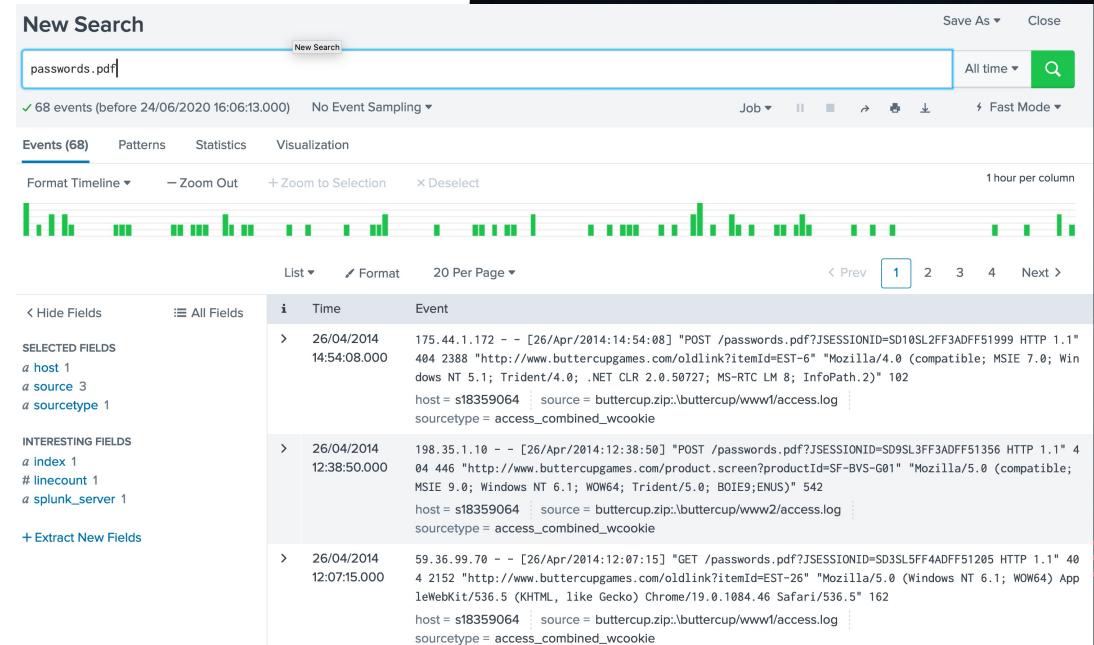
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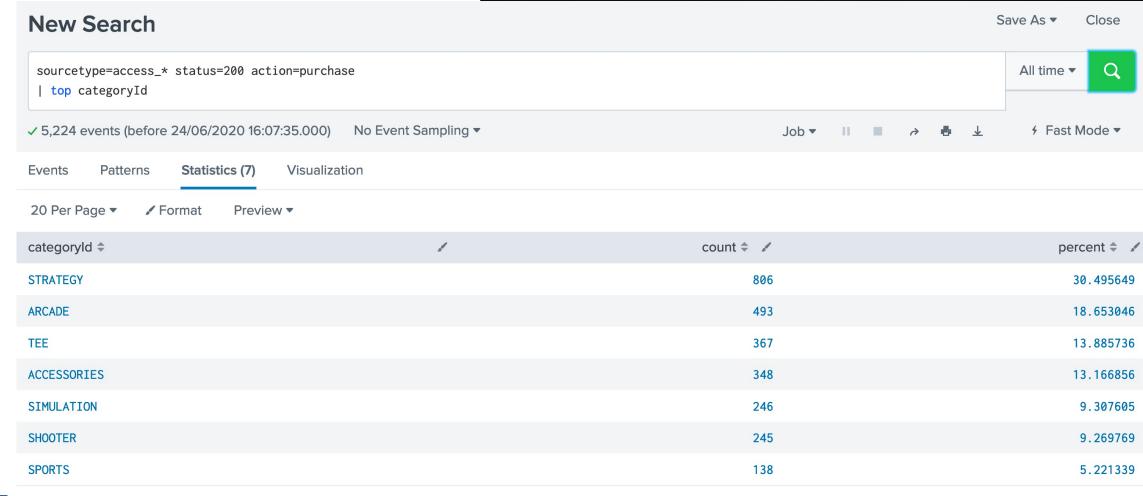




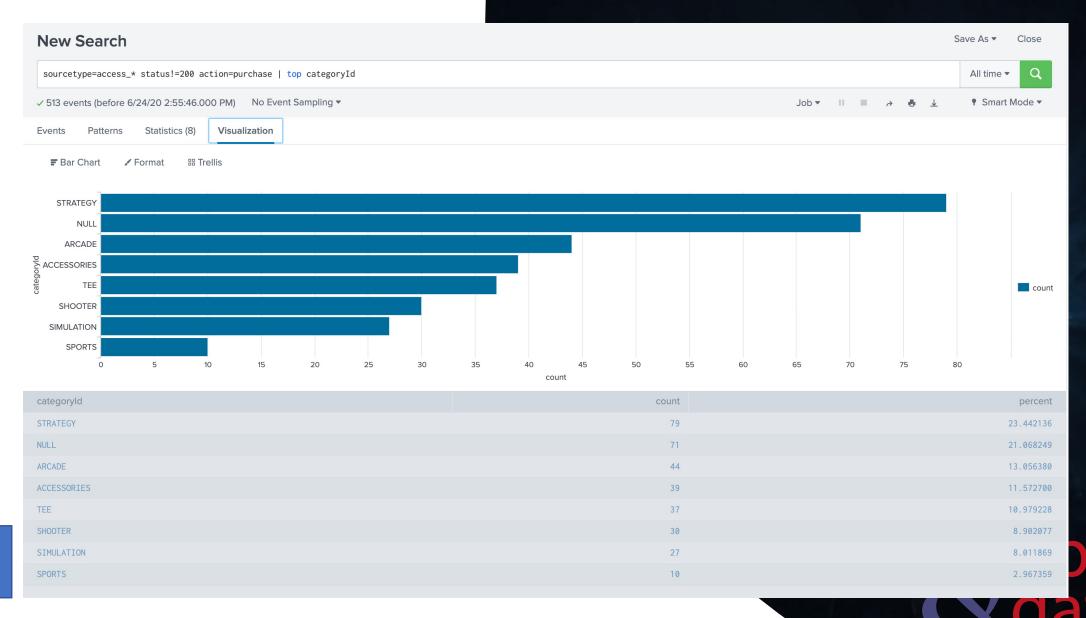


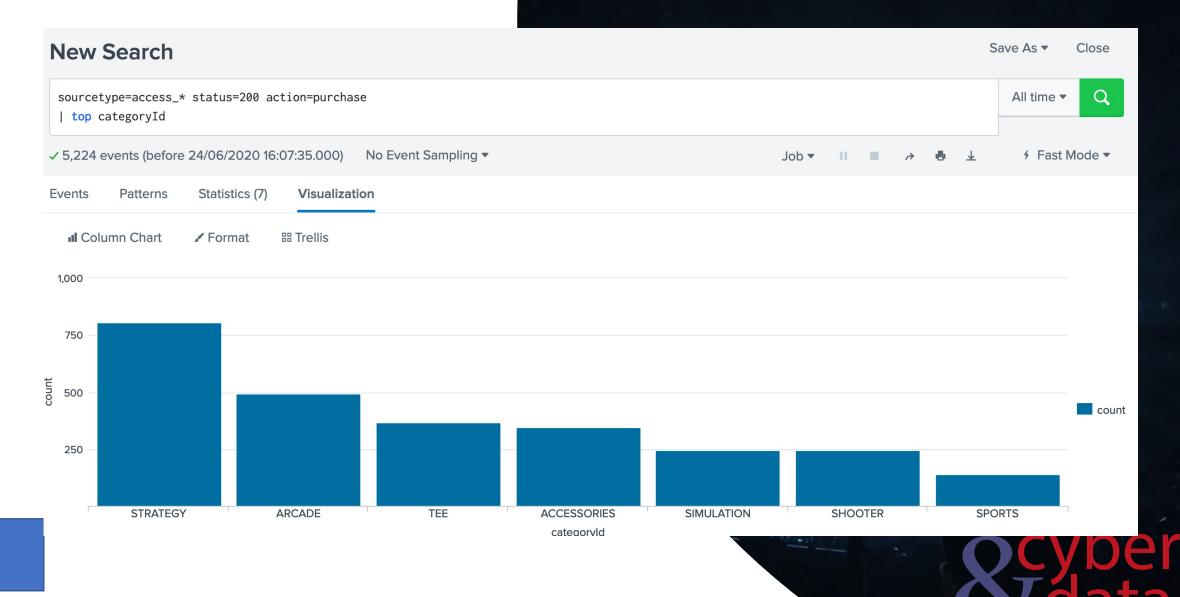


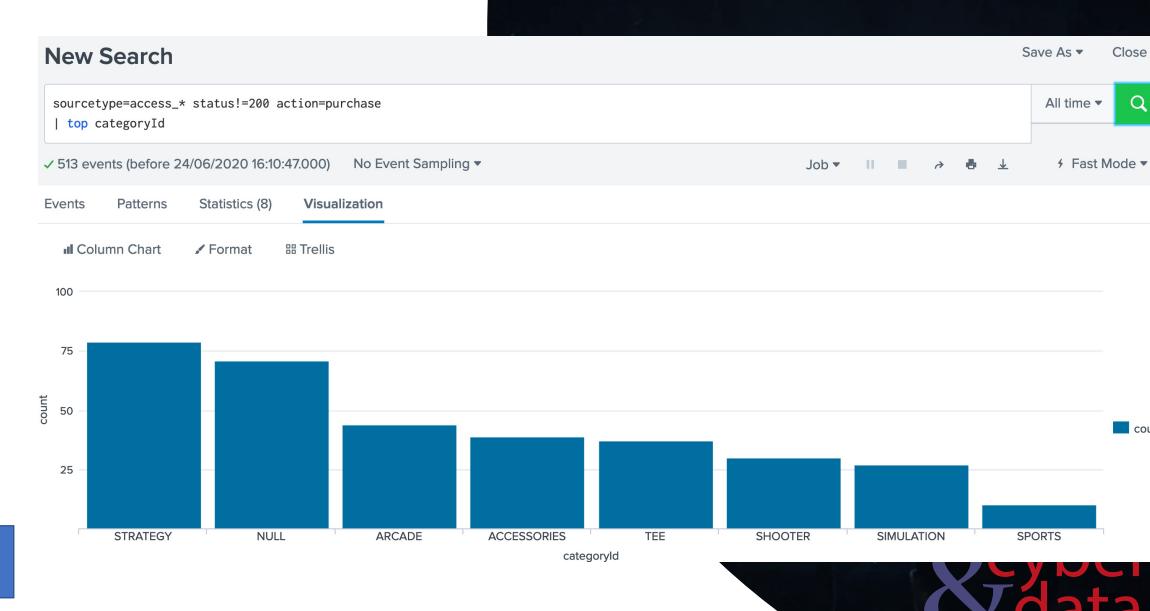




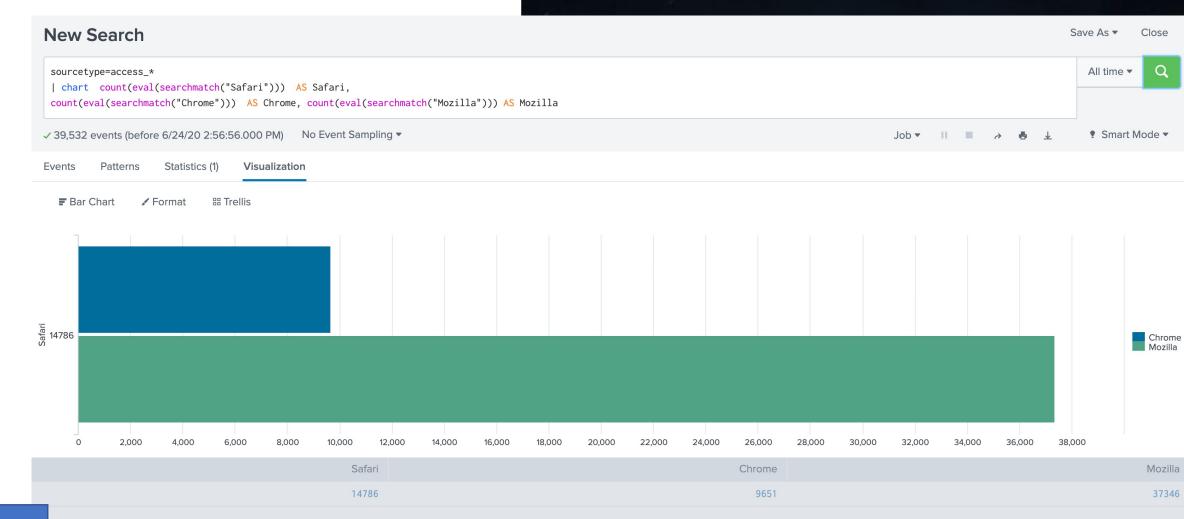




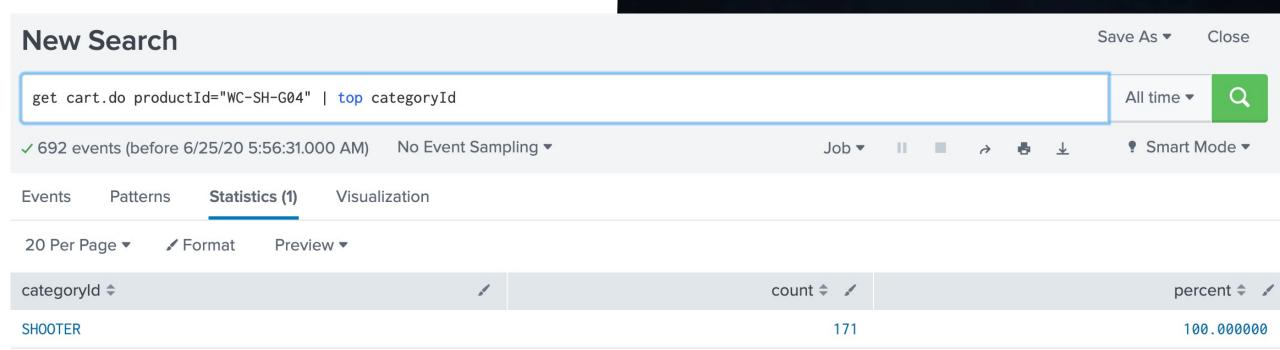




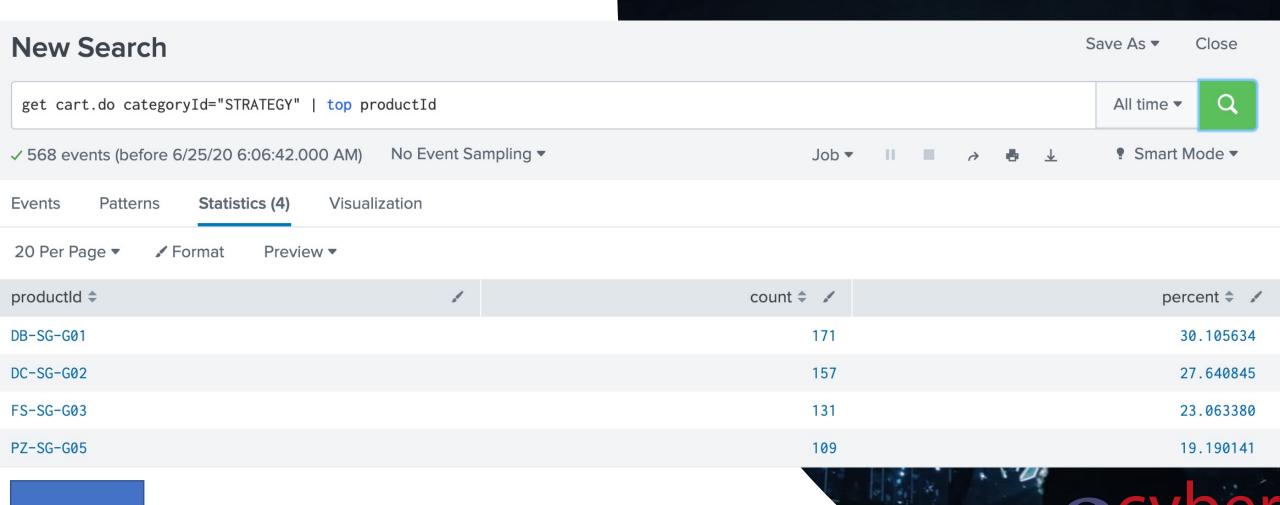
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